Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/10/2016 09:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125004	0	2.03	124890	2.03
Blue	F	SSC	125000	124288	-1	3.40	124721	3.24
Blue	E	FITC	22946	22206	-4	2.45	987	9.95
Blue	D	PE	28770	28234	-2	1.99	1012	9.14
Blue	B	PerCP-Cy5-5	51099	50694	-1	3.35	1458	15.99
Blue	A	PE-Cy7	42312	41738	-2	4.82	643	34.14
Red	C	APC	52169	51565	-2	2.82	2977	9.05
Red	A	APC-Cy7	56705	55890	-2	2.87	1158	10.98
Violet	B	V450	14708	14194	-4	4.01	683	9.76
Violet	A	V500	58608	57396	-3	3.76	2545	6.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19698	5.90	599	1	N/A	N/A	Pass
Blue	F	SSC	61835	1.91	528	10	N/A	N/A	Pass
Blue	E	FITC	111	37.93	535	4	0.0223	167	Pass
Blue	D	PE	222	26.88	531	5	0.1845	226	Pass
Blue	B	PerCP-Cy5-5	231	42.48	628	6	0.0115	115	Pass
Blue	A	PE-Cy7	72	108.55	675	4	0.0128	7	Pass
Red	C	APC	347	26.48	592	2	0.0227	84	Pass
Red	A	APC-Cy7	127	39.36	576	0	0.0059	1650	Pass
Violet	B	V450	82	47.83	464	5	0.0382	2165	Pass
Violet	A	V500	185	29.65	493	5	0.0135	2121	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/10/2016 09:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.23	-31.62	0.88
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.30
Red	16.98	13.27 - 19.91	N/A	N/A	31.80	32.30	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 12201

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments